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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/077,578	02/14/2002	Wilhelm Aichele	HOE-678	1576
20028	7590	06/16/2005		
Lipsitz & McAllister, LLC 755 MAIN STREET MONROE, CT 06468			EXAMINER HAMILTON, ISAAC N	
			ART UNIT 3724	PAPER NUMBER
DATE MAILED: 06/16/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/077,578

Applicant(s)

AICHELE, WILHELM

Examiner

Isaac N. Hamilton

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 March 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 36,39-53 and 56-70 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 36,39-53 and 56-70 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Drawings

1. The drawings were received on 03/17/05. These drawings are acceptable.

Claim Rejections - 35 USC § 112

2. Rejections made under 35 USC 112 are hereby withdrawn.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 36, 39-53 and 56-68 are rejected under 35 U.S.C. 103(a) as being unpatentable over Veas (6,244,148) in view of Steinbock (4,622,730). Veas discloses machine frame 10; anvil roller 70; cutting tool 80; axis of rotation 84; cutting structure 92; outer sleeve 82; anvil surface 76; supporting rings 100, 102. Veas does not disclose an inner section, tension along an inner section, an end face, and does not teach bearings associated with the inner section. However, in figure 4, Steinbock teaches inner section 52, 56 and end face 60, 61; tension along an inner section in column 2, lines 25-35; bearings associated with the inner section in column 6, lines 9-12. It would have been obvious to provide an inner section, tension along an inner section, an end face, and bearings associated with the inner section in Veas as taught by Steinbock in order to stress arbors against opposite sides of a roller. Further note in Steinbock pressure force is applied parallel to the axis of rotation in column 3, lines 7-13; inner core 52; form-locking connections 57; connection direction is parallel to axis of rotation in figure 4;

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plurality of form-locking connections around axis in figure 2B and 3A; contact surface is juxtaposed elements 57 and 56; screw element is the threaded portion of element 57; contact element 56; dimensions and number of form-locking elements in figures 1B, 2B, and 3B; device 57; cutting edge at the tip of element 92; reduction of a maximum oscillation amplitude is an expected result due to the tension of inner core.

Regarding claims 49-51 and 66-68, it is to be noted that the supporting rings expand due to the inherent properties of metals, for example, when the outer sleeve and supporting rings are under a compression force as described in column 2, lines 34-35, the metal of the supporting rings and outer sleeve expand in a radial direction. Moreover, the expansion device/for-locking element is 57 in figure 4 of Steinbock

5. Claims 69 and 70 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Vees and Steinbeck as applied to claims 36, 39-48, 52, 53 and 56-65 above, and further in view of Gautier (4,770,078). The combination discloses everything as noted above, but does not disclose an embossing tool. However, Gautier teaches embossing tool 1. It would have been obvious to provide an embossing tool in the combination as taught by Gautier in order to increase the versatility of the apparatus.

Response to Arguments

6. Applicant's arguments with respect to claims 36, 39-53 and 56-70 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

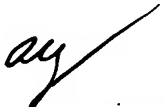
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac Hamilton whose telephone number is 571-272-4509. The examiner can normally be reached on Monday through Friday between 8am and 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan N. Shoap can be reached on 571-272-4514. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IH
June 13, 2005


Allan N. Shoap
Supervisory Patent Examiner
Group 3700